Name:

p1103: Expand Product of Linear Binomials (v8)

Question 1

Expand the product of linear binomials. $(x - 4)(x - 2)$

$$x^2 - 2x - 4x + 8$$

$$x^2 - 6x + 8$$

Question 2

Expand the product of linear binomials. $(x + 7)(x + 7)$

$$x^2 + 7x + 7x + 49$$

$$x^2 + 14x + 49$$

Question 3

Expand the product of linear binomials. $(x - 1)(x - 2)$

$$x^2 - 2x - x + 2$$

$$x^2 - 3x + 2$$

Question 4

Expand the product of linear binomials. $(-3x + 6)(6x + 4)$

$$-18x^2 - 12x + 36x + 24$$

$$-18x^2 + 24x + 24$$

Question 5

Expand the product of linear binomials. $(-9x - 9)(7x - 8)$

$$-63x^2 + 72x - 63x + 72$$

$$-63x^2 + 9x + 72$$

Question 6

Expand the product of linear binomials. $(x-2)(x-6)$

$$x^2 - 6x - 2x + 12$$

$$x^2 - 8x + 12$$

Question 7

Expand the product of linear binomials. $(8x+5)(6x+5)$

$$48x^2 + 40x + 30x + 25$$

$$48x^2 + 70x + 25$$

Question 8

Expand the product of linear binomials. $(x+5)(x-3)$

$$x^2 - 3x + 5x - 15$$

$$x^2 + 2x - 15$$

Question 9

Expand the product of linear binomials. $(-8x-4)(3x-6)$

$$-24x^2 + 48x - 12x + 24$$

$$-24x^2 + 36x + 24$$

Question 10

Expand the product of linear binomials. $(x+4)(-7x+3)$

$$-7x^2 + 3x - 28x + 12$$

$$-7x^2 - 25x + 12$$